

STATE OF LOUISIANA  
OFFICE OF COASTAL PROTECTION & RESTORATION  
ENGINEERING BRANCH

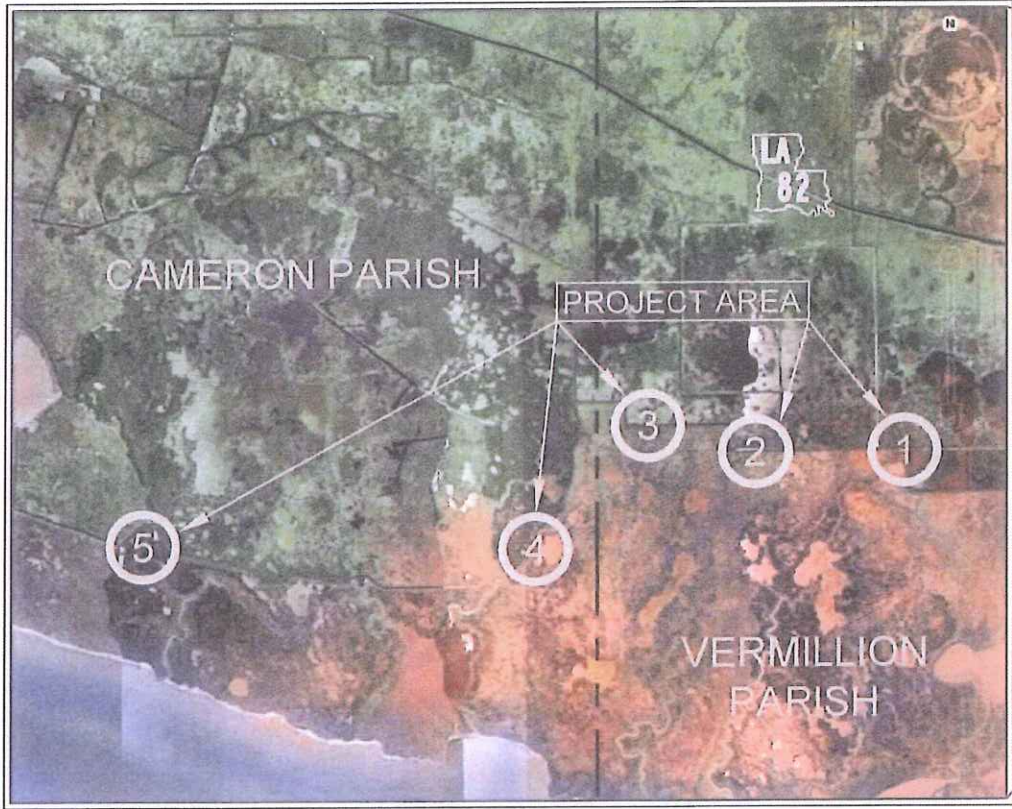
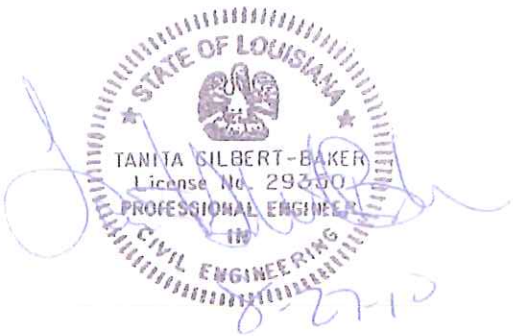
| FILE NO.     | STATE PROJECT NO. | PARISH  | SHEET NO. |
|--------------|-------------------|---------|-----------|
| 01/1918/2004 | ME-16             | CAMERON | 1         |

LA 82 FRESHWATER INTRODUCTION  
ME - 16  
CAMERON & VERMILLION PARISHES

AUGUST 2010

| SHEET INDEX |                                    |
|-------------|------------------------------------|
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| 4           | SITE 2 VERMILLION-STR. NO. 12      |
| 5           | SITE 3 VERMILLION-STR. NO. 10      |
| 6           | SITE 4 CAMERON-NEW DYSON STR.      |
| 7           | SITE 5 CAMERON-LITTLE CONSTANCE    |

RECORD DRAWING AS-BUILT  
DECEMBER 22, 2011  
(CHANGES PROVIDED BY CONTRACTOR)



SCALE: N.T.S.



ENGINEER MANAGER

ENGINEER SUPERVISOR

PROJECT ENGINEER

CONSULTING ENGINEER

TYPE OF CONSTRUCTION:

III. HEAVY CONSTRUCTION  
HYDROLOGIC RESTORATION

| REV. | DATE | DESCRIPTION | BY |
|------|------|-------------|----|
|      |      |             |    |
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DALLAS, TEXAS  
8401 LBJ FWY.  
SUITE 300  
DALLAS, TEXAS 75243  
TEL 214-343-1111  
FAX 214-343-3665

SHREVEPORT, LOUISIANA  
6007 PRAIRIE PLAZA  
SUITE 611  
SHREVEPORT, LA 71069  
TEL 318-576-7226  
FAX 318-576-7261

OFFICE OF COASTAL PROTECTION & RESTORATION  
ENGINEERING BRANCH  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: R.C.M.

DESIGNED BY: T.G.B.

LA 82 FRESHWATER INTRODUCTION

STATE PROJECT NUMBER: ME-16

FEDERAL PROJECT NUMBER: ME-16

APPROVED BY:

TITLE SHEET

DATE: AUGUST 2010

SHEET 1 OF 7



GENERAL NOTES:

1. CONSTRUCTION CLASSIFICATION IS CLASS III – HEAVY CONSTRUCTION – HYDROLOGIC RESTORATION.

2. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SAFETY.

3. CONTRACTOR HAS PERSONALLY INSPECTED AND IS FAMILIAR WITH THE PROJECT SITE, AND SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS, APPLIANCES AND FACILITIES AS REQUIRED TO PERFORM, IN A WORKMANLIKE MANNER, ALL WORK AND SERVICES FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT, ALL IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS.

4. ALL BID QUANTITIES WHERE ESTIMATED BY THE ENGINEER. THE CONTRACTOR WILL BE PAID BASED UPON ACTUAL QUANTITIES AS VERIFIED BY THE OWNER AND ENGINEER AT THE UNIT PRICES AS SHOWN ON THE EXECUTED BID FORM.

5. WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS, AND THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2006 EDITION.

6. CONTRACTOR SHALL BE FAMILIAR AND REMAIN IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, AND REGULATIONS WHICH MAY AFFECT ALL EMPLOYEES AND EXECUTION OF THE WORK.

7. THE WORK SHALL BE CONDUCTED USING SUFFICIENT LABOR, MATERIALS, AND EQUIPMENT AND NECESSARY APPURTENANCES TO ENSURE COMPLETION OF THE PROJECT WITHIN THE CONTRACT TIME.

8. REFER TO GENERAL PROVISIONS GP-8 FOR REQUIRED WORK PLAN AND GP-9 FOR PROGRESS SCHEDULE.

9. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY; WHAT IS CALLED FOR BY ONE IS AS BINDING AS IF CALLED FOR BY ALL. CLARIFICATIONS AND INTERPRETATIONS OR NOTIFICATIONS OF MINOR VARIATIONS AND DEVIATIONS OF THE CONTRACT DOCUMENTS WILL BE ISSUED BY ENGINEER AS PROVIDED IN THESE SPECIFICATIONS. ANY LABOR, DOCUMENTATION, SERVICES, MATERIALS, OR EQUIPMENT THAT MAY REASONABLY BE INFERRED FROM THE CONTRACT DOCUMENTS OR FROM PREVAILING CUSTOM OR TRADE USAGE AS BEING REQUIRED TO PRODUCE THE INTENDED RESULT WILL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

10. REFER TO GENERAL PROVISIONS GP-16 FOR AUTHORITY OF ENGINEER.
11. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND LAYOUT.

12. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED SANITARY FACILITIES REQUIRED FOR ALL EMPLOYEES AND SUB CONTRACTORS FOR THE ENTIRE DURATION OF THE WORK.

13. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING, STRIPPING, AND ALL DEMOLITION AND OR REMOVAL OF STRUCTURES AND OBSTRUCTIONS AS REQUIRED, IF ANY, AND OR AS SHOWN ON THE DRAWINGS TO ENSURE PROPER CONSTRUCTION OF THE DESIGN INTENT AND PROPER DISPOSAL OF ALL REMOVED MATERIALS.

14. ITEMS TO BE CLEARED, REMOVED, DEMOLISHED, ETC., THAT CHANGE THE SCOPE OF THE WORK AS INTENDED HEREIN OR DIFFER SIGNIFICANTLY FROM THOSE ITEMS INDICATED WITHIN THESE DRAWINGS SHALL BE REVIEWED AND DISCUSSED WITH THE PROJECT ENGINEER PRIOR TO ACTION OR NO ADDITIONAL PAY WILL BE CONSIDERED.

15. CONTRACTOR SHALL PROTECT FROM DAMAGE ALL PROPERTY AND FACILITIES NOT REQUIRING WORK. ANY DAMAGE TO NON WORK PROPERTIES AND OR FACILITIES DUE TO THE CONTRACTORS OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTORS COST. THE ENGINEER WILL APPROVE ALL REPAIR WORK.

16. CONTRACTOR SHALL REPAIR ALL AREAS DISTURBED DUE TO CONSTRUCTION INCLUDING DRESS GRADING IN PREPARATION OF FINAL AND PERMANENT EROSION CONTROL. CONTRACTOR SHALL WATER EROSION CONTROL UNTIL CONSTRUCTION AREAS HAVE ACHIEVED 80% COVERAGE. TEMPORARY EROSION CONTROL FACILITIES SHALL NOT BE REMOVED UNTIL APPROVED BY THE ENGINEER.

17. TOPOGRAPHICAL INFORMATION IS PROVIDED FOR THE CONTRACTORS USE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. A SUBSURFACE INVESTIGATION WAS NOT PERFORMED NOR WAS ONE REQUESTED. THE CONTRACTOR SHALL PROVIDE HIS OWN SUB SURFACE INVESTIGATION IF SO NEEDED BUT SHALL HAVE PLAN FOR SUCH APPROVED BY THE ENGINEER.


LEGEND:

- — — — —

EDGE OF WATER
- - - - -


TOP OF BANK
- 5—————

MAJOR CONTOUR
- 3—————

MINOR CONTOUR
- 

PROPOSED RIP RAP
- O

WOOD PILE
- H

LIFTING EYE
- 

CORRUGATED METAL CONTROL STRUCTURE



AS-BUILT

DECEMBER 22, 2011  
(NO CHANGE)

| REV. | DATE | DESCRIPTION | BY |
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OFFICE OF COASTAL PROTECTION & RESTORATION  
ENGINEERING BRANCH  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

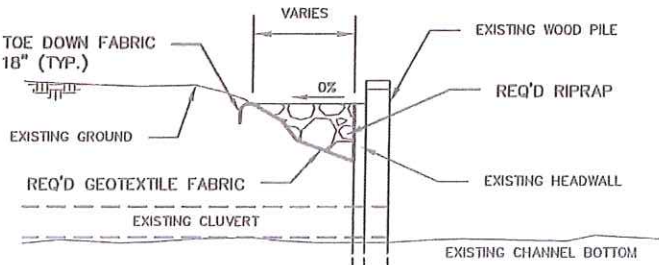
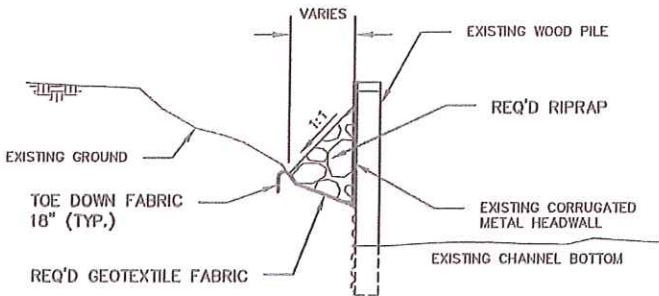
DRAWN BY: R.C.M.      DESIGNED BY: T.G.B.

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| LA 82 FRESHWATER INTRODUCTION |
| STATE PROJECT NUMBER: ME-16   |
| FEDERAL PROJECT NUMBER: ME-16 |
| APPROVED BY:                  |

|                          |
|--------------------------|
| GENERAL NOTES AND LEGEND |
| DATE: AUGUST 2010        |
| SHEET 2 OF 7             |

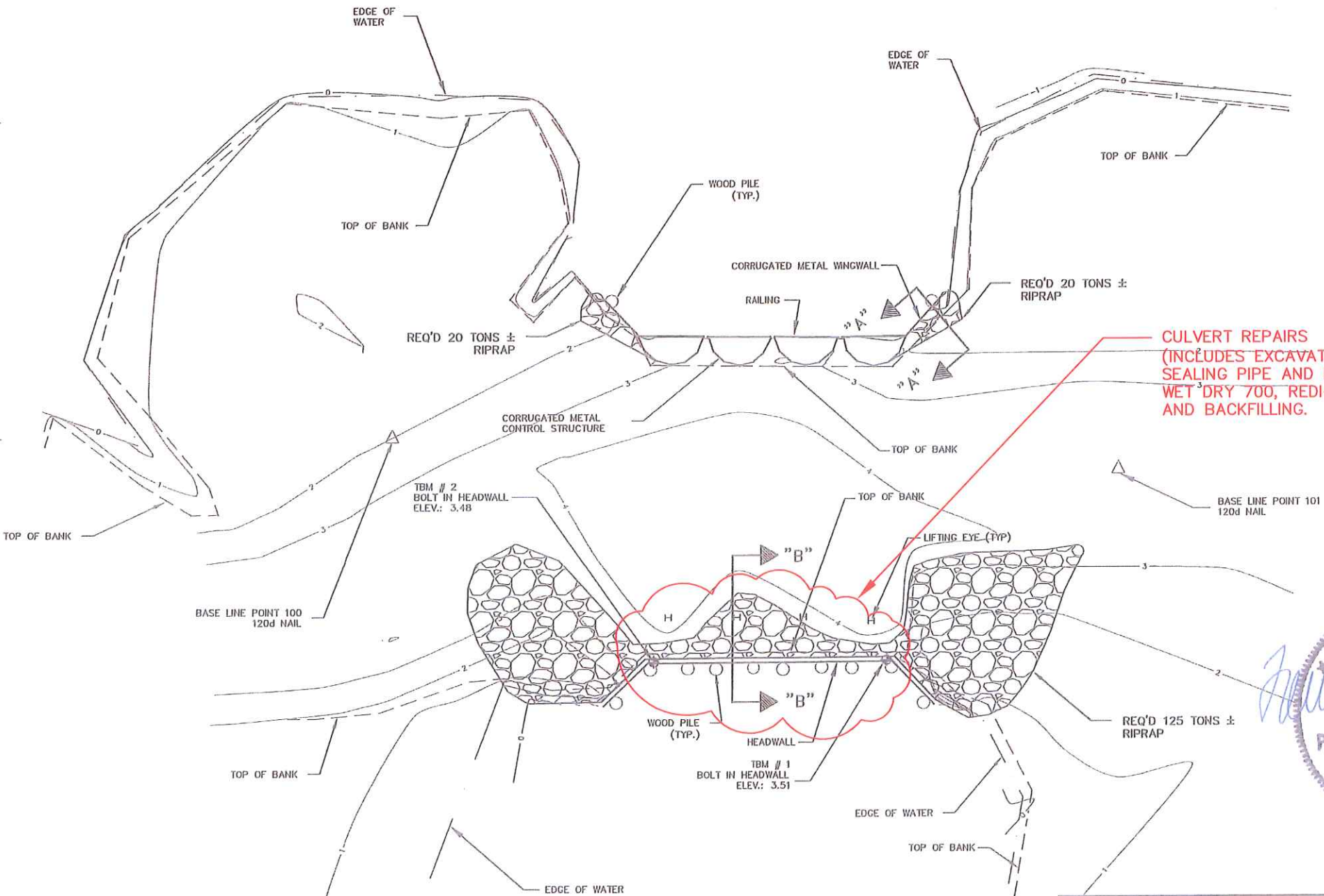
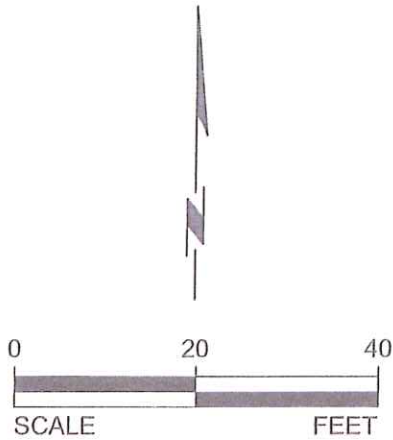


| FILE NO.     | STATE PROJECT NO. | PARISH     | SHEET NO. |
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| 01/1918/2004 | ME-16             | VERMILLION | 3         |



AS-BUILT

DECEMBER 22, 2011  
(CHANGES PROVIDED BY CONTRACTOR)



SUMMARY OF ESTIMATED QUANTITIES

| DESCRIPTION          | UNIT | QUANTITY |
|----------------------|------|----------|
| RIP RAP ARMORPLATING | TONS | 465-94   |
| GEOTEXTILE FABRIC    | S.Y. | 500      |

SITE 1 BASE LINE POINTS

| POINT NO. | ELEV. | NORTHING  | EASTING    | DESCRIPTION        |
|-----------|-------|-----------|------------|--------------------|
| 100       | 1.98  | 415375.98 | 2889121.68 | PRIMARY CONTROL PT |
| 101       | 4.56  | 415370.78 | 2889237.39 | PRIMARY CONTROL PT |

NEW COP-COP STRUCTURE

NOTES:

1. RIPRAP SHALL BE PLACED CAREFULLY. ANY EXISTING STRUCTURES OR PROPERTY DAMAGED SHALL BE REPLACED AT THE FULL EXPENSE OF THE CONTRACTOR.

| REV. | DATE | DESCRIPTION | BY |
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OFFICE OF COASTAL PROTECTION & RESTORATION  
ENGINEERING BRANCH  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: J.M.G.

DESIGNED BY: T.E.H.

LA 82 FRESHWATER INTRODUCTION

STATE PROJECT NUMBER: ME-16

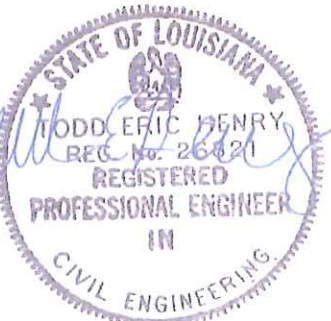
FEDERAL PROJECT NUMBER: ME-16

APPROVED BY:

PLAN SHEET:  
SITE 1

DATE: AUGUST 2010

SHEET 3 OF 7

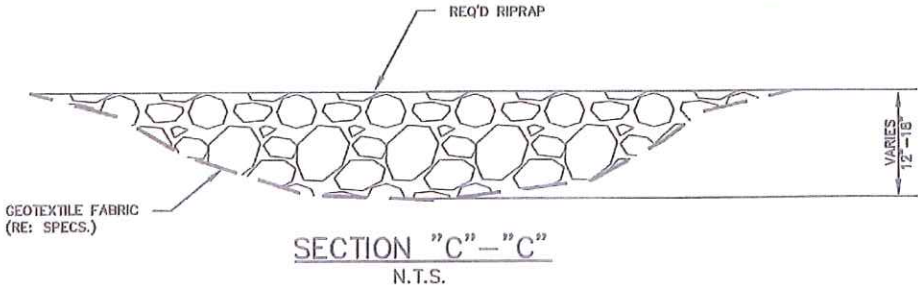




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| 01/1918/2004 | ME-16             | VERMILLION | 4         |

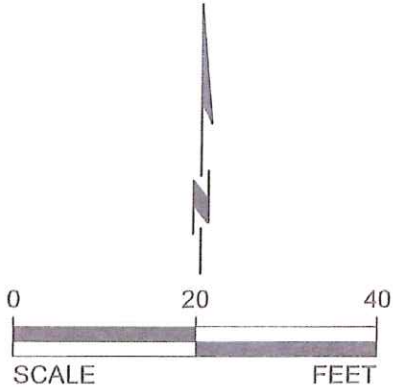
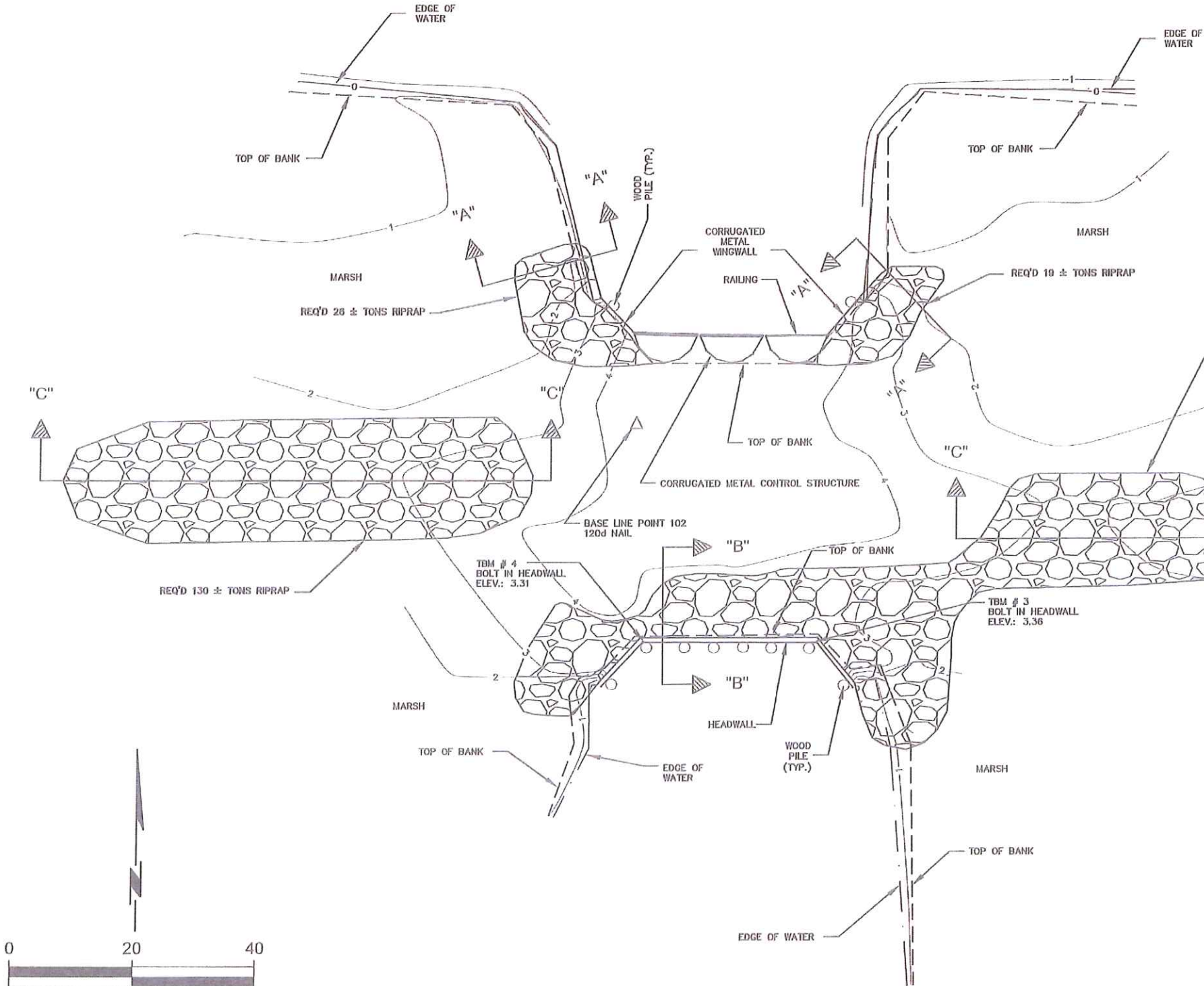
| SUMMARY OF ESTIMATED QUANTITIES |      |          |
|---------------------------------|------|----------|
| DESCRIPTION                     | UNIT | QUANTITY |
| RIP RAP ARMORPLATING            | TONS | 325-377  |
| GEOTEXTILE FABRIC               | S.Y. | 640      |

SEE SHEET 3 FOR TYPICAL SECTION "A-A"  
SEE SHEET 3 FOR TYPICAL SECTION "B-B"



| SITE 2 BASE LINE POINTS |       |           |            |                    |
|-------------------------|-------|-----------|------------|--------------------|
| POINT NO.               | ELEV. | NORTHING  | EASTING    | DESCRIPTION        |
| 102                     | 4.80  | 415508.12 | 2880737.71 | PRIMARY CONTROL PT |
| 103                     | 3.54  | 415489.97 | 2880867.39 | PRIMARY CONTROL PT |

STRUCTURE NO. 12



**AS-BUILT**  
DECEMBER 22, 2011  
(CHANGES PROVIDED BY CONTRACTOR)

| REV. | DATE | DESCRIPTION | BY |
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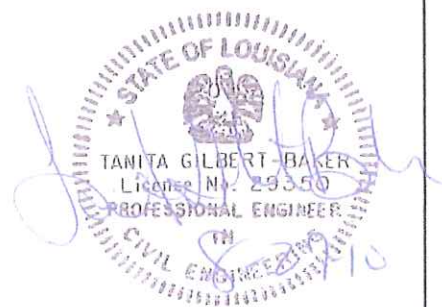
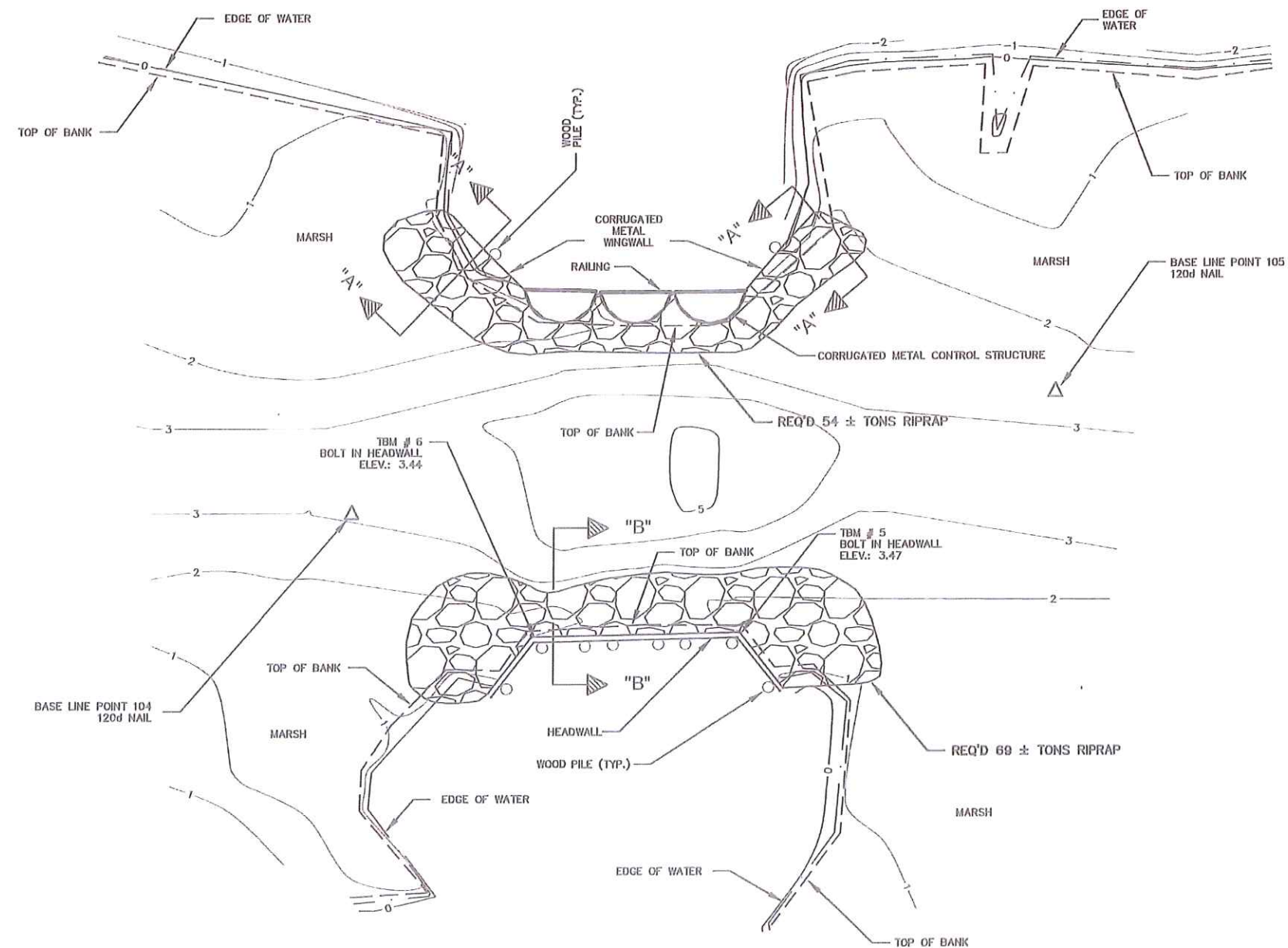
**Alliance**  
Incorporated  
11111 Highway 100  
Shreveport, LA 71107  
www.alliance-inc.com  
phone 318.221.7501  
fax 318.221.7533

**EJES**  
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8101 LBJ Fwy.  
SUITE 200  
DALLAS, TEXAS 75243  
TEL: 214-343-1010  
FAX: 214-343-1011

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| OFFICE OF COASTAL PROTECTION & RESTORATION<br>ENGINEERING BRANCH<br>450 LAUREL STREET<br>BATON ROUGE, LOUISIANA 70801 |                     | LA 82 FRESHWATER INTRODUCTION |  | PLAN SHEET:<br>SITE 2         |
|   |                     | STATE PROJECT NUMBER: ME-16   |  |                               |
|   |                     |                               |  | FEDERAL PROJECT NUMBER: ME-16 |
| DRAWN BY: R.C.M.  | DESIGNED BY: T.G.B. | APPROVED BY:                  |  | SHEET 4 OF 7                  |



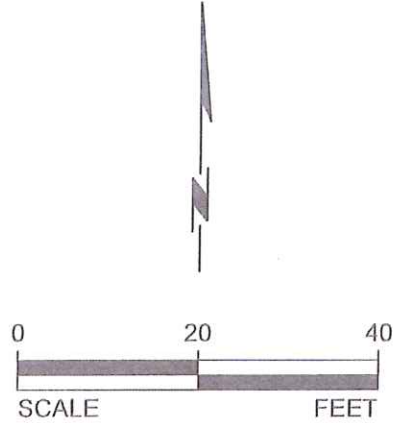
| FILE NO.     | STATE PROJECT NO. | PARISH    | SHEET NO. |
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| 01/1918/2004 | ME-16             | VERMILION | 5         |



| SUMMARY OF ESTIMATED QUANTITIES |      |          |
|---------------------------------|------|----------|
| DESCRIPTION                     | UNIT | QUANTITY |
| RIP RAP ARMORPLATING            | TONS | 425.159  |
| GEOTEXTILE FABRIC               | S.Y. | 300      |

SEE SHEET 3 FOR TYPICAL SECTION "A-A"  
SEE SHEET 3 FOR TYPICAL SECTION "B-B"

| SITE 3 BASE LINE POINTS |       |           |            |                    |
|-------------------------|-------|-----------|------------|--------------------|
| POINT NO.               | ELEV. | NORTHING  | EASTING    | DESCRIPTION        |
| 104                     | 3.09  | 416885.90 | 2875811.07 | PRIMARY CONTROL PT |
| 105                     | 2.51  | 416903.49 | 2875912.40 | PRIMARY CONTROL PT |



**AS-BUILT**  
DECEMBER 22, 2011  
(CHANGES PROVIDED BY CONTRACTOR)

| REV. | DATE | DESCRIPTION | BY |
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|      |      |             |    |

**EJES**  
INCORPORATED

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5501 LBJ Fwy.  
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DALLAS, TEXAS 75243  
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FAX: 214-345-3309

SHREVEPORT, LOUISIANA  
6007 FINANCIAL PLAZA  
SUITE 301  
SHREVEPORT, LA 71129  
TEL: 318-470-2279  
FAX: 318-470-2284

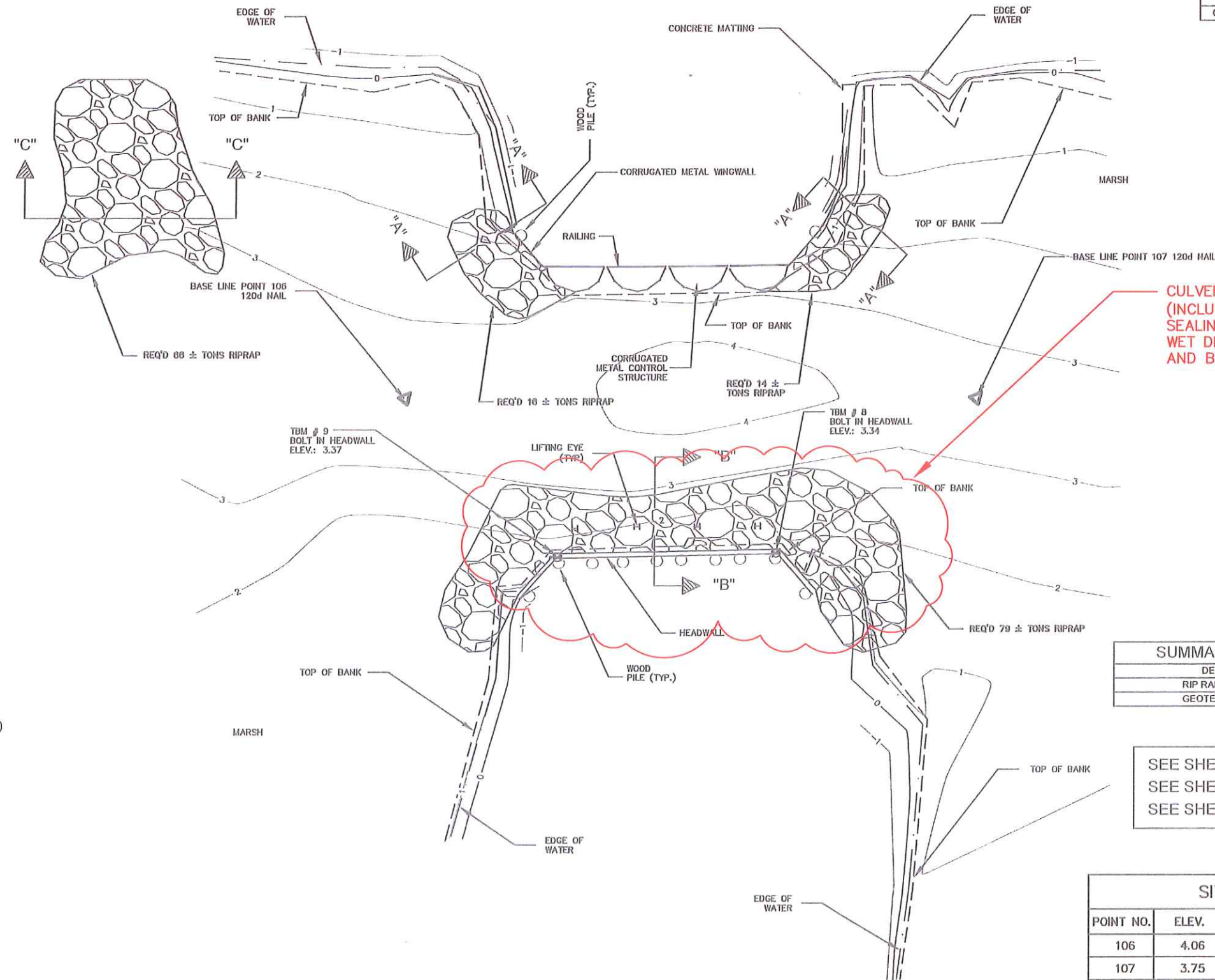
OFFICE OF COASTAL PROTECTION & RESTORATION  
ENGINEERING BRANCH  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: R.C.M.      DESIGNED BY: T.G.B.

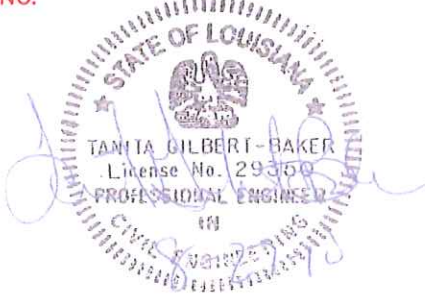
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| STRUCTURE NO. 10              |                       |
| LA 82 FRESHWATER INTRODUCTION | PLAN SHEET:<br>SITE 3 |
| STATE PROJECT NUMBER: ME-16   |                       |
| FEDERAL PROJECT NUMBER: ME-16 | DATE: AUGUST 2010     |
| APPROVED BY:                  | SHEET 5 OF 7          |



| FILE NO.     | STATE PROJECT NO. | PARISH  | SHEET NO. |
|--------------|-------------------|---------|-----------|
| 01/1918/2004 | ME-16             | CAMERON | 6         |



CULVERT REPAIRS  
(INCLUDES EXCAVATION OF PIPE,  
SEALING PIPE AND HEADWALL WITH  
WET DRY 700, REDI-MIX CONCRETE  
AND BACKFILLING.



| SUMMARY OF ESTIMATED QUANTITIES |      |          |
|---------------------------------|------|----------|
| DESCRIPTION                     | UNIT | QUANTITY |
| RIP RAP ARMORPLATING            | TONS | 256-198  |
| GEOTEXTILE FABRIC               | S.Y. | 450      |

SEE SHEET 3 FOR TYPICAL SECTION "A-A"  
SEE SHEET 3 FOR TYPICAL SECTION "B-B"  
SEE SHEET 4 FOR TYPICAL SECTION "C-C"

| SITE 4 BASE LINE POINTS |       |           |            |                    |
|-------------------------|-------|-----------|------------|--------------------|
| POINT NO.               | ELEV. | NORTHING  | EASTING    | DESCRIPTION        |
| 106                     | 4.06  | 411665.82 | 2870348.70 | PRIMARY CONTROL PT |
| 107                     | 3.75  | 411729.79 | 2870426.64 | PRIMARY CONTROL PT |

NEW DYSON STRUCTURE

**AS-BUILT**  
DECEMBER 22, 2011  
(CHANGES PROVIDED BY CONTRACTOR)

| REV. | DATE | DESCRIPTION | BY |
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DALLAS, TEXAS  
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DALLAS, TEXAS 75243  
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FAX: 214-343-1911

SHREVEPORT, LOUISIANA  
6007 FRANKLIN PLAZA  
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SHREVEPORT, LA 71129  
TEL: 318-670-2270  
FAX: 318-670-2271

OFFICE OF COASTAL PROTECTION & RESTORATION  
ENGINEERING BRANCH  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: R.C.M.

DESIGNED BY: T.G.B.

LA 82 FRESHWATER INTRODUCTION

STATE PROJECT NUMBER: ME-16

FEDERAL PROJECT NUMBER: ME-16

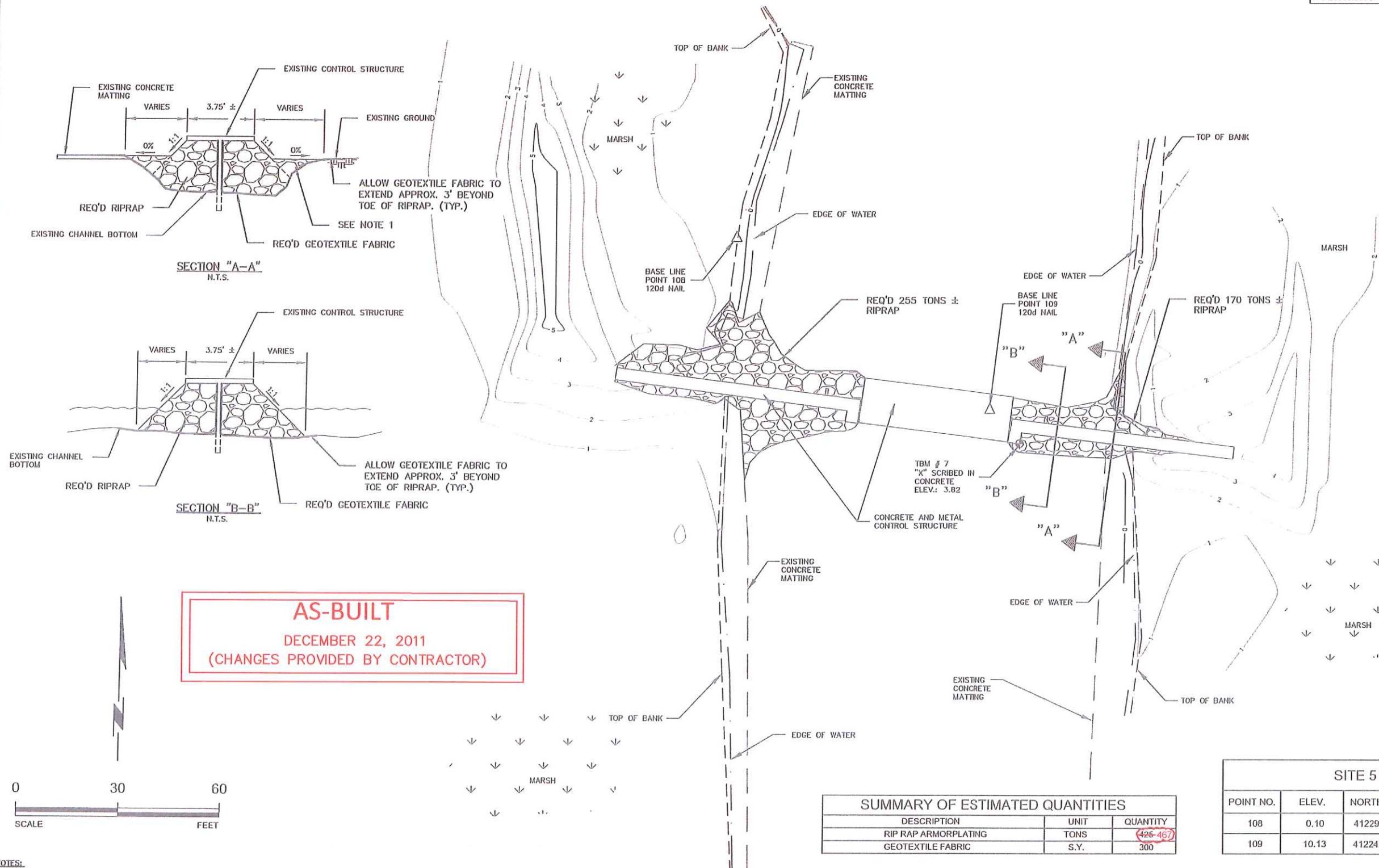
APPROVED BY:

PLAN SHEET:  
SITE 4

DATE: AUGUST 2010

SHEET 6 OF 7





| SUMMARY OF ESTIMATED QUANTITIES |      |          |
|---------------------------------|------|----------|
| DESCRIPTION                     | UNIT | QUANTITY |
| RIP RAP ARMORPLATING            | TONS | 426-467  |
| GEOTEXTILE FABRIC               | S.Y. | 300      |

| SITE 5 BASE LINE POINTS |       |           |            |                    |
|-------------------------|-------|-----------|------------|--------------------|
| POINT NO.               | ELEV. | NORTHING  | EASTING    | DESCRIPTION        |
| 108                     | 0.10  | 412298.61 | 2850001.78 | PRIMARY CONTROL PT |
| 109                     | 10.13 | 412247.74 | 2850077.72 | PRIMARY CONTROL PT |

- NOTES:
- THE INTENT OF RIPRAP FILL FROM THE HIGH BANK IS TO ELIMINATE DEPRESSIONS OUTSIDE THE MAIN CHANNEL. THE CONTRACTOR SHALL BUILD UP RIPRAP IN A MANNER THAT SATISFIES THIS INTENT. IN ANY LOCATION WHERE CONCRETE MATTING IS PRESENT, RIPRAP SHALL BE BUILT TO THE EDGE OF THE MATTING AS SHOWN IN SECTION "A-A".
  - RIPRAP SHALL BE PLACED CAREFULLY. ANY EXISTING STRUCTURES OR PROPERTY DAMAGED SHALL BE REPLACED AT THE FULL EXPENSE OF THE CONTRACTOR.

| REV. | DATE | DESCRIPTION | BY |
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OFFICE OF COASTAL PROTECTION & RESTORATION  
ENGINEERING BRANCH  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: J.M.G.      DESIGNED BY: T.E.H.

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|-------------------------------|-----------------------|
| LA 82 FRESHWATER INTRODUCTION | PLAN SHEET:<br>SITE 5 |
| STATE PROJECT NUMBER: ME-16   | DATE: AUGUST 2010     |
| FEDERAL PROJECT NUMBER: ME-16 | SHEET 7 OF 7          |
| APPROVED BY:                  |                       |